

DERWENT-ACC-NO: 1985-030582
DERWENT-WEEK: 198505
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TITLE: Antifreezing coating - contains soln. of polyvinyl
pyrrolidone and
calcium chloride in ethanol

INVENTOR: KOZLOVSKAY, R T; PANYUSHKIN, A V ; SERGACHEVA, N
A

PATENT-ASSIGNEE: LENGD RAIL TRANSP[LERAR]

PRIORITY-DATA: 1982SU-3459832 (June 25, 1982)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES	MAIN-IPC	
SU 1101444 A	July 7, 1984	N/A
003	N/A	

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
SU 1101444A	N/A	1982SU-3459832
June 25, 1982		

INT-CL_(IPC): C09K003/18

ABSTRACTED-PUB-NO: SU 1101444A

BASIC-ABSTRACT: The proposed coating compsn. contains soln. of polyvinyl
pyrrolidone and CaCl₂ in ethanol, in ratio (wt.%): CaCl₂
12-14,
polyvinyl-pyrrolidone 23-25 and ethanol 61-65.

Tests show, that the ice formation on the surface coated
with the proposed
compsn. is 4-4.5 times slower than with the known compsn.
and the adhesion of
formed ice to the coating surface is 2-12 times lower than
in case of known
coating. Also the antifreezing capability of the proposed
compsn. lasts
longer, compared to that previously used.

USE - In railway transport, building ind. etc., to prevent formation of ice on the surface of containers and constructions and freezing of transported material to the floors and walls of wagons, containers, etc. Bul.25/7.7.84

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS:

ANTIFREEZE COATING CONTAIN SOLUTION POLYVINYL PYRROLIDONE
CALCIUM CHLORIDE
ETHANOL

DERWENT-CLASS: A97 E33 G04

CPI-CODES: A04-D05; A12-B01G; E34-D02; G04-B05;

CHEMICAL-CODES:

Chemical Indexing M3 *01*

Fragmentation Code

H4 H401 H481 H8 M210 M212 M272 M281 M320 M416
M620 M782 M903 M910 Q130 Q337 Q609 R023

Chemical Indexing M3 *02*

Fragmentation Code

A220 A940 C017 C100 C730 C801 C803 C804 C805 C806
C807 M411 M782 M903 M910 Q130 Q337 Q609 R023

UNLINKED-DERWENT-REGISTRY-NUMBERS: 0245U; 1895U

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0214 0231 0906 2318 2507 3253 2691 2694 2698
2718 2791 3300 2829

Multipunch Codes: 014 04- 101 316 332 351 381 398 42& 477
55& 57& 597 600 613
614 618 672 688 727

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1985-013142